s/123/62/000/015/011/013 A052/A101

AUTHORS:

Zolotukhin, N. M., Kuz'mintsev, V. N.

TITLE:

On the drop of deformation resistance of metal when forging large

ingots

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 15, 1962, 3, abstract

15V13 (In collection: "Konstruir, i tekhnol, mashinostr.".

Moscow-Kiyev, Mashgiz, no. 1, 1961, 203 - 207)

When forging blanks out of large ingots, a drop of the deformation TEXT: resistance takes place as the degree of deformation increases. So when sinking a 125 t 40H (40N) steel blank the deformation resistance decreases in the process of sinking from 2.52 kg/mm² at the first pressing to 1.28 kg/mm² at the last one. The deformation resistance of a metal is affected by the temperature, degree and rate of deformation. When forging large blanks the inner temperature practically does not change. The conversion of a part of mechanical energy into thermal energy of the forging contributes to this phenomenon. For this reason the main bulk of metal, with the exception of surface layers, has a constant

Card 1/2

S/123/62/000/015/011/013 A052/A101

On the drop of deformation resistance of ...

temperature. As in the process of forging the degree of deformation increases the deformation resistance can decrease due to the crushing of the cast dendrite structure; this crushing facilitates the softening processes. An increase of external friction forces with the increase of the degree of deformation has an insignificant effect on large forgings, since because of their large dimensions the relation of the contact surface to the volume is rather low as compared with small blanks. The rate of deformation when sinking heavy ingots decreases considerably in the course of one pressing and also from pressing to pressing, particularly when the press is working at the limit of its capacity which is the case at last pressings. At the same time the rate of deformation drops from its maximum value to zero. Such a sharp decrease of the rate results in a considerable decrease of the deformation resistance of the metal of the blank. A very considerable decrease of the deformation resistance at the end of a pressing, when the speed of the crosshead approaches zero, takes place also as a result of the strain relaxation, that is of the transition of a part of elastic deformation into plastic one; because of this transition, the forging receives some deformation at a considerably lower deformation resistance. There are 2 refer-V. Pavlyuchenko ences and 2 graphs.

[Abstracter's note: Complete translation]

Card 2/2

ACC NR: AP6035884

SOUNCE CODE: UR/0413/66/000/020/0124/0124

INVENTOR: Badayeva, A. A.; Pervaya, A. S.; Tutov, I. Ye.; Katsnel'son, V. Yu.; Kuz'mintsev, V. N.; Koloskov, M. M.; Kulinich, V. P.

ORG: none

TITLE: High speed steel. Class 40, No. 187314 [announced by the Central Scientific Research Institute of Technology and Machine Building (Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya); All-Union Scientific Research Tool Institute (Vsesoyuznyy nauchno-issledovatel'skiy instumentalnyy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 124

TOPIC TAGS: high speed steel, chromium tungsten molybdenum steel, vanadium containing steel, titanium containing steel, DOCTILITY, TOOGHNESS

ABSTRACT: This Author Certificate introduces a high-speed steel containing silicon, manganese, chromium, tungsten, molybdenum, vanacium and titanium. To improve the strength, ductility, notch toughness, and oxidation and heat resistance and to reduce carbide heterogeneity, the steel composition is set as follows: 0.75—0.85% carbon, 0.17—0.35% silicon, 0.20—0.40% manganese, 3.5—4.5% chromium, 2.5—3.0% tungsten, 2.5—3.0% molybdenum, 1.9—2.2% vanadium, 0.03—0.08% titanium.

SUB CODE: 11/ SUBM DATE: 05Jun65/

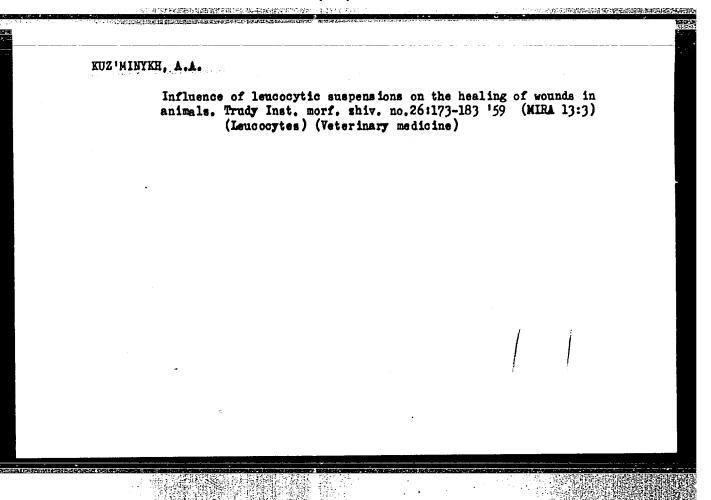
UDC: 669.14.018.252.3

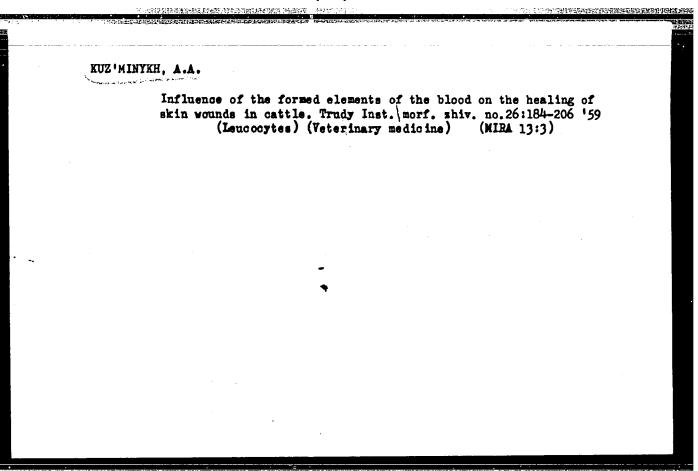
PROSKURNIN, M.A.; SHARPATYY, V.A.; SMIRNOVA, V.I.; POMERANTSEV, N.M.;
KUZ'MINTSEVA, G.N.; SIMONOVA, T.A.

Conversion of the oxidative component of radiolysis in the nitrate - water system. Dokl. AN SSSR 139 no.2:410-413 J1 '61. (MIRA 14:7)

1. Fiziko-khimicheskiy institut im. L.Ya. Karpova. Predstavleno akademikom A.N. Frumkinym.

(Sodium nitrate) (Radiation)





APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

KUZ 'MINYKH, A.A.

The characteristics of the IR-1 relay should be changed. Avtom., telem. i sviaz 7 no.6:39-40 Je 63.

(MIRA 17:3)

1. Starshiy inzh. kontrol'no-izmeritel'nogo punkta Chitinskoy distantsii signalizatsii i svyazi Zabaykal'skoy dorogi.

HELYANCHIKOV, V.N., inzh.; NOVIKOV, I.V., inzh.; ZAYTSEV. I.Ye., inzh.; AKIL'YEV, S.A., inzh.; BELKIN, V A., inzh.; Pochkina, L.A., inzh.; VASIL'YEV, O.A., inzh.; Prinimali uchastiye: KOPEYKINA, O.P.; SMIRNOVA, A.N.; BELKINA, S.S.; SHILINA. Ye.I.; LAGUNOV, Ye.N.; REZNIK, S.Z.; BRISMAN, B.I.; KUZ'MINYKH, A.A.; Pod. SHIBKOVA, R.Ye., red.

[Operational life of parts of excavating, construction, and road machinery; a reference catalog] Sroki sluzhby detalei ekskavatorov, stroitel'nykh i dorozhnykh mashir, katalog spravochnik. Izd.2., perer. i dop. Moskva, Goslesbumizdat. Pt.2. [Road, construction machinery, and machinery for manufacturing building materials] Dorozhnye, stroitel'nye mashiny i mashiny dlia proizvodstva stroitel'nykh materialov. 1963. 306 p. (MIRA 17:4)

1. "Stroitiyazhmashzapchast'," Tekhnicheskaya kontora. Konstruktorskoye byuro.

KUZ'MINYKH, A.D., inzh.

Results of studying the operation of the BSSh-1 rig. Izv. vys. ucheb. zav.; gor. zhur. 5 no.10:102-104 '62. (MIRA 15:11)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana kafedroy ekonomiki i organizatsii gornoy promyshlennosti.

(Boring machinery—Testing)

KUZ'MINYKH, A.P.

Determining femoral abduction in osteotomy designed to lengthen the extremity by tilting the pelvis. Ortop. travm. protez., Moskva 19 no.6:88-89 N-D '58. (MIRA 12:1)

l. Iz Irkutskogo nauchno-issledovatel'skogo instituta ortopedii i vosstanovitel'noy khirurgii (dir. - prof. Z.V. Bazilevskaya).

(FEMUR)

KUZ'MINYESI, A.P., referent.

Minutes of a meeting of the Irkutsk Society of Traumatologists and Orthopedists. Ortop. travm. protez., Moskva 19 no.6:97-98 N-D '58. (ORTHOPEDIA) (MIRA 2:1)

SOV/132-59-7-13/17

AUTHOR:

Kuz'minykh, A.Ya.

TITLE:

A Locking Transition Piece

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 7, p 55 (USSR)

ABSTRACT:

This is a description of a locking transition piece widely used in drilling operations at the Artemovskiy Mine of the Krasnoyarsk Sovnarkhoz. It is used instead of a usual transition piece, because, in case of a breakdown during drilling, especially if the drilling device is blocked below the surface, the causes of the breakdown can be speedily liquidated. The locking transition piece is composed of two parts, the plug and its socket connected together by 1 incn long thread. The plug is screwed into the drilling pipe. When need arises, a simple turn to the left separates other pipes from the drilling pipe, the plug is pulled out, and the socket is bored through with a special hard bit and

Card 1/2

A Locking Transition Piece

SOV/132-59-7-13/17

the drilling continues through the drilling pipe. There are 2 diagrams.

ASSOCIATION: Geologorazvedochnaya partiya Artemovskogo Rudnika (Geological Prospecting Party of the Artemovskiy Mine)

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928110009-1

KUZ MINYKh, E. I

USSR/General Biology - General Histology.

B-3

Abs Jour

: Ref Zhur - Biologiya, No 1, 1957, 183.

Author

: E.I. Kuz'minykh

Inst Title

: Processes of De- and Regeneration of the Peripheral

Nerves in Experimental Stimulation and Depression of the

Central Nervous System.

Orig Pub

: Tr. Mosk. wet. akad., 1955, 9, 29-48.

Abst

: Upon the administration of strychnine (subcutaneously once every three days on the basis of 0.08 milligrams per one kilogram of weight) to an animalafter its sciatic nerve was cut, an arrest of the regenerative process exhibited in an intensification of the retrograde degeneration of the fibers of the central terminal, in the slowing down of the appearance and the growth through the zone of the cut of young regenerative fibers, and a prolonged delay in the dissociation of the

Card 1/2

USSR/General Biology - General Histology.

B-3

Abs Jour : Ref Zhur - Biologiya, No 1, 1957, 183.

fibers of the peripheral terminal was disclosed. The difference between the processes of regeneration in experimental and control animals disappeared 25 days after the operation. Analogous changes of the regenerative process in the sciatic nerve is caused also by urethan in combination with veronal (urethan 0.6 g + veronal 0.75 g per kg weight subcutaneously daily). In both series of experiments, there was either a delay (strychnine) or a complete absence (urethan and veronal) in the course of the entire period of observations (25 days) of a development of trophic ulcers which developed in the control animals within 12 to 14 days after the operation. In the neurons of the horns of the spinal cord and the spinal cord ganglia, the administration of the above mentioned drugs causes an intensification of retrograde degeneration and a more frequently occurring destruction of the neurons.

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928110009-1

L 02202-67 EWI(m)/EWP(1)/I IJP(c) DJ/RM

^{C NR}: AP6030422

SOURCE CODE: UR/0193/66/000/007/0037/0037

AUTHOR: Zhelonkin, Ye. I.; Kuz'minykh, I. F.; Rautenberg, Yu. A.

ORG: none.

TITLE: A pump with rubber tubing for pumping aggressive fluids

SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 7, 1966, 37

TOPIC TAGS: fluid pump, rubber tube pump

ABSTRACT: A cart-mounted pump for transferring aggressive liquids has been introduced in a galvanic plant [unidentified]. The pump, whose operation is based on lateral compression and decompression of an elastic rubber tube, has a capacity of 30 1/min and is driven by a 0.6-kw electric motor. The liquid is completely insulated from the metallic parts of the pump to ensure a long service life. The pump design is described in detail with a complete diagram. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: none/

Card 1/1 /

UDC: 621, 65, 037

KUZ'MINYKH, L. (Tashkent)

Organize repair workshops in the field. Stroi. truboprov. 7 no.7:31 Jl 162. (MIRA 15:7)

1. Glavnyy mekhanik stroitel nogo uchastka No.4 tresta Soyuzprovodmekhanizatsiya. (Construction equipment—Maintenance and repair)

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Kuzm	niwy.	KHJL	. M.,	!			:		<u> </u>		
	A.R. Target Annals. Q Party Annals. Ref Zhur-Stole, No 21, 1959, 96996	Pierry, N. V., Himilishiy, L. V., Attenta- Lil-Union Scientific Research Institute of Ultrachiae bradiation of Poultry Espt in Cages. Veterinariye, 1956, No 11, 70-73	The All-Thine Releasing institute of the appropriate conducted as experiment for a period of 4 years of 3 group of foul to- talling over 26,000 heads which were baye in sages, in order to determine the regimen of ultraviolate invalention for poultry. The irre- diation after on the chical facts of health was established as well as the productivity of	other E. A. History A. B.; Bulgings. A. M. Scalley Don't S. V.; Bailton, V. L. e-the Foultry Danter	laying hems; also determined was the ecocomic efforteness of irradiation. Moven regiment of irradiation with Made-serour-quarks laaps were tested. The irradiation of laying hems layed in ages not only substituted for the ad- dition of vitemin D to their rations, but also assisted in increasing their egg promotivity and in the preservation of live-stock increa- cent of irradiation is 7-55 percent lower than an equivalent amount of cod-liver oil and witemin B. During a period of 5 mostins, the	53	irredisted hess produced 7.2 persent more eggs than not irredisted homs, M, K, Sherthanko		\$		
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KUZ MINYKH, M.P.

Cholinesterase of the blood serum in liver diseases. Kaz.med. zhur. 41 no.1:26-29 Ja-F 60. (MIRA 13:6)

1. Iz terapevticheskogo otdeleniya (zav. - prof. Z.I. Malkin)
Respublikanskoy klinicheskoy bol'nitsy Tatarskoy ASSR (glavvrach - Sh.V. Bikchurin).

(CHOLIMESTERASE) (LIVER--DISEASES)

LOSEV H.I.; KUZ MINYKH, S.B.

Taking an electrogram of nerve trunks using apparatuses with recording and quantitative evaluation of the activity of the nerve. Biul. eksp. biol. i med. 55 /i.e. 56/ no.JC:119-122 0'63 (MGRA 17:8)

1. Iz kafedry patologicheskoy fiziologii (zav. - prof. 5.M. Pavlenko) I Moskovskogo ordenu Lenina meditsinskego instituta imeni Sechenova. Predstavelna deystvitel'nym chlenom ANN ISSR V.V. Zakusovym.

中,并具有的名称的思想的意思,并是这种是一种更多的。

OSIPOVA, V.I.; TIMOFEYEV, A.F.; KIGEL', S.L., ingh.; OSETROVA, K.I.; SHCHEKOTOVA, O.D.; KUZ'MINYKH, T.F.; TOLSTYKH, A.K., telefonistka, udarnik kommunisticheskogo truda

Long-distance through calls should be given a green light. Vest. sviezi 23 no.1:21-23 Ja *63. (MIRA 16:3)

1. Nachal'nik Kiyevskoy meshdugorodnoy telefonnoy stantsii (for Osipova).

2. Nachal'nik Tashkentskoy mezhdugorodnoy telefonnoy stantsii (for Timofeyev).

3. Nachal'nik laboraterii ekonomiki svyazi Tsentral'nogo nauchno-issledovatel'skogo instituta svyasi Ministerstva svyazi SSSR (for Srapionov).

4. Tsentral'nyy mauchno-issledovatel'skiy instituta svyazi Ministerstva svyazi SSSR (for Yesikov).

5. Proizvodstvennaya laboratoriya Kazanskoy meshdugorodnoy telefonnoy stantsii (for Kigelu).

6. Starshiy insh. Rizhskoy telegrafno-telefonnoy kontory (for Osetrova).

7. Starshiy insh. Tyumenskoy meshdugorodnoy telefonnoy stantsii (for Shchekotova).

8. Starshaya telefonistka Tyumenskoy mezhdugorodnoy telefonnoy stantsii (for Kuz'minykh).

9. Tyumenskaya mezhdugorodnaya telefonnaya stantsiya (for Tolstykh).

(Telephone)

KUZ!MINYKH, V.D.

Selecting source functions in plotting the model of a facula. Soob. GAISH no.133:10-18 '64. (MIRA 17:8)

KUZ MINYKH, V.D.

Relative photometry of the continuous spectrum of faculae. Astron. tsir. no.219:21-23 Mr '61. (MIRA 14:10)

1. Petropavlovskiy pedagogicheskiy institut. (Sun—Faculae—Spectra)

· 1995年1996年1855年1882年1896年1896年1896年1896年18月1日 - 1996年1月1日 - 1996年1日 - 199

KUZ'MINYKH, V.D.

Investigating the facula-photosphere contrast in the spectral region 23755-6800 K. Astron.zhur. 39 no.6:965-972 N-D 162. (MIRA 15:11)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.

(Sun-Faculae)

L 11138-63 FWT(1)/FCC(w)/BDS/FFG-2/ES(v)-AFFTC/PSD-3-Pe-1/Pg-1--GW ACCESSION NR: AP3001235 S/0033/63/040/003/0419/0426

AUTHOR: Kuz'minykh, V. D.

TITLE: On the variation of <u>facula</u> contrast with wavelength. Determination of the spectrophotometric temperatures of faculae

SOURCE: Astronomicheskly zhurnal, v. 40, no. 3, 1963, 419-426

TOPIC TAGS: solar activity, facula, facula contrast, spectrophotometry, spectrophotometric temperature, facula radiation, solar photosphere

ABSTRACT: This interpretation of spectrophotometric observational data is a continuation of the author's antecedent paper in Astron. zh., v. 39, 1962, 965. Graphs of the dependence of the facula contrast on the wavelength are adduced for distances from the center of the solar disk, sin theta, from 0.0 through 0.9 at 0.1 intervals and for 0.95 and 0.98. Initially, the curves rise in an almost parallel ascent from the center of the disk to sin theta = appx. 0.5, whereupon the ultraviolet (UV) portion of the facular radiation increases more steeply than that of the photosphere. At greater values of sin theta, along with the UV portion of the radiation, the emission in the visible portion of the spectrum, too, begins to increase up to the distance of maximal facula contrast, that is, to sin theta appx.

Card 1/4

L 11138-63

ACCESSION NR: AP3001235

0.87. A reverse process prevails beyond that point to the edge of the disk, and the maxima of the curves are displaced. Contrary to antecedent investigations, the present analysis assume the center of the solar disk as an invariable reference source for the determination of the spectrophotometric gradients and temperatures. The values of the absolute spectrophotometric gradients and temperatures are given for the various values of sin theta. The mean facula-photosphere temperature difference is found to be 350-400K. The temperature maximum of faculae near theta = appx. 50°, that is, near the point of maximal facula contrast, previously detected by 0. A. Mel'nikov and S. S. Zhuravlev (Leningrad, Universitet, Vestnik, v. 13, 1956, 124) is confirmed. A new interpretation of this phenomenon, differing from that of Mel'nikov and Zhuravlev, is given. The author thanks G. F. Sitnik and N. I. Kzhevnikov for their constant attention to the present study. There are 2 figures and 1 table.

ASSOCIATION: Astronomicheskiy in-t imeni P. K. Shternberga (Astronomical Institute)

SUEMITTED: 090ct62

DATE ACQD: 01Jul63

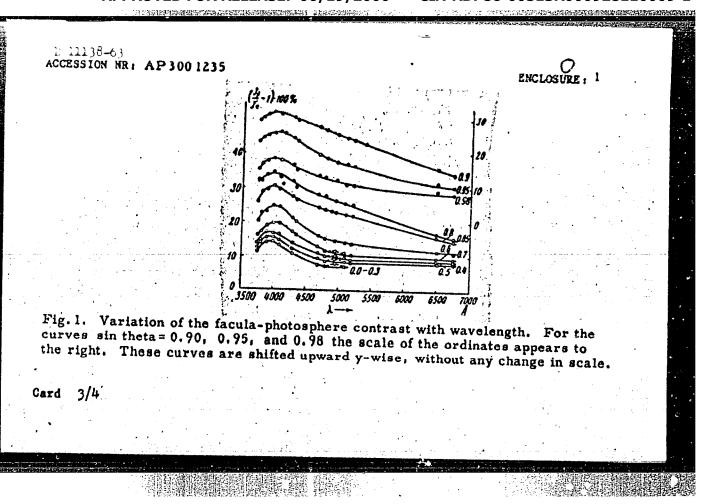
ENCL: 02

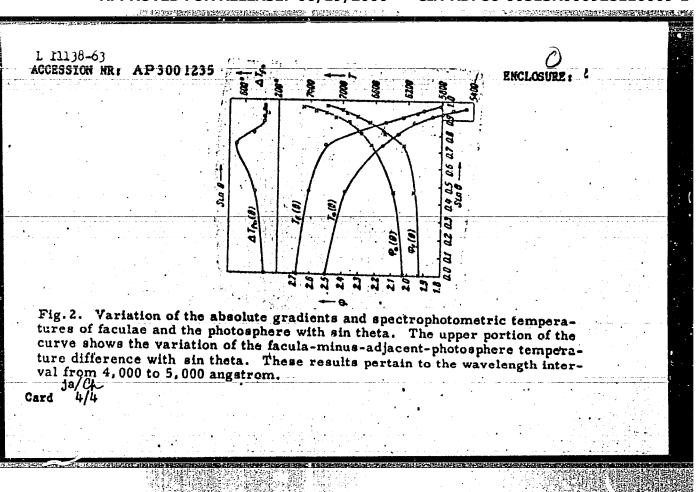
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NO REF SOV: 016

OTHER: 016

Card 2/4





KUZ'MINYKH, V.D.; SITNIK, G.F.

Facula-photosphere contrast in the 2 6700-21000 Å region. Astron. zhur. 40 no.5:954-956 S-0 63. (MIRA 16:11)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.

ACCESSION NR: AP4014447

\$/0188/64/000/001/0071/0080

AUTHOR: Kozhevnikov, N. I.; Kuz'miny*kh, V. D.

TITLE: Temperature distribution in faculae

SOURCE: Moscow. Universitet. Vestnik. Seriya 3. Fiz. astron., no. 1, 1964, 71-80

TOPIC TAGS: sun, solar physics, solar facula, facula, astronomy, facula temperature

ABSTRACT: Seven different ways in which the source function for a facula can be expressed are explored. It is shown that the behavior of the source function for a facula cannot be the same as the behavior of the source function for the photosphere. The source function for a facula should have a "knee" at a point corresponding to some value of the optical depth . On the basis of previously published observational data and using the proposed model of the source function, the authors compute the dependence of the temperature of the facula on optical depth for various wavelengths. It is demonstrated that deviations of the temperature of faculae from the temperature of the photosphere have a systematic variation with a change in wavelength. Orig. art. has: 5 figures, 3 tables and 19 formulas.

ASSOCIATION: GOSUDARSTVENNY*Y ASTRONOMICHESKIY INSTITUT IMENI SHTERNBERGA (State

ACCESSION NR: AP4033634

8/0188/64/000/002/0052/0055

AUTHOR: Kuz'miny*kh, V. D.; Kozhevnikov, N. I.

TITLE: The problem of the accuracy of determination of the source function of a plage

SOURCE: Moscow. Universitat. Vestnik. Seriya III. Fizika, astronomiya, no. 2, 1964, 52-55

TOPIC TAGS: astronomy, solar activity, solar plage, solar photosphere

ABSTRACT: A study has been made of the influence of errors in observations of the plage-photosphere contrast on the accuracy of determination of the source function of a plage. The observed discrepancies in the temperatures of plages cited by various authors can be attributed in part to observational errors. A . method is proposed for correctly estimating the order of the value §T. When determining models of a plage from observations of the plage-photosphere contrast in a number of wavelengths it is possible to have differences between models obtained for different A, in part caused by inaccuracies of observation. At the same time, in photoelectric observations it is admissible and legitimate to have discrepancies in T in the "hot" region of a plage of the order of 30-50C

Card 1/

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

ACCESSION NR: AP4033634

and in the "cold" region of 70-120G. Orig. art. has: 3 formulas and 2 tables.

ASSOCIATION: Kafedra nebesnoy mekhaniki 1 gravimetrii, Moskovskiy universitet (Department of Celestial Mechanics and Gravimetry, Moscow University)

SUBMITTED: 27Apr63

DATE ACQ: 30Apr64

ENCL: 00

SUB CODE: AA

NO REF SOV: 005

OTHER: 003

KUZ MINYKH, V.D.

Energy distribution in the continuous facula spectra. Soob. GAISH no.131:24-36 64. (MIRA 17:8)

KOZHEVNIKOV, N.I.; KUZ'MINYKH, V.D.

Structure of a facula. Astron.zhur. 41 no.2:323-331 Mr-Ap '64. (MIRA 17:4)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

KUZ'MINYKH, V.D.

Model of an average facula. Astron. zhur. 41 no.4:692-696 Jl-Ag '64 (MIRA 17:8)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

KUZ'MINYKH, V.I.: VINOGRADOVA-VOLZHINSKAYA, N.A.: POLYAK, B.L.

"Surgical Treatment and Healing of Large Penetrating Wounds of the Corneo-Scloral Area", Vest. Oftalmologii, No 1, Jan-Feb '50

Chair of Ophtalmalogy; Mil Med Acad im. Kirov.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

POLYAK, B. L., VINDGRADDVA-VOLZHINSKAYA, N. A., MUZIMINYINI, V. I.

Eye - Surgery

Exclusion of the iris in the healing of experimental penetrating corneal wounds in warious surgical methods. Vest. oft. 31 No. 2, 1952.

··· 因為形式開始的影響的概念,因如在在1985年1月95年,在2019年1月

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

KUZ'MINYKH, V.P.

Study of some postoperative complications in relation to the type of constitution of the patient [with summary in English, p.159-160]. Vest.khir. 80 no.1:109-115 Ja '58. (MIRA 11:4)

1. Iz kliniki obshchey khirurgii No.2 (nach. - prof. M.S.Lisitsyn)
Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.
Adress avtora: Nikolayev. gospital'.

(SURGERY, OPERATIVE, compl.

postop., relation to holy type (Rus))
(BODY CONSTITUTION
body type, relation to postop. surg. compl. (Rus))

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

KUZ'HINYKH, Yo., inzh.

Mechanising the removing of large reinforced concrete products from forms. Biul. tekh. inform. 4 no.1:27 Ja '58. (MIRA 11:2) (Reinforced concrete construction—Formwork)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

ALL CONTRACTOR OF THE PROPERTY OF THE PROPERTY

KUZ! MINYKH, Ye., insh. Small-size tap winch. Biul. tekh. inform. 4 no. 6:30 Je '58. (HIRA 11:7) (Boring machinery)

KUZ'NINYKH, Yu.K.; SHEVAKHIN, S.T.

Heat-treatment section of the automatic plant for the manufacture of bearings. Stan.i instr. 27 no.5:10-14 My '56. (MLRA 9:8) (Bearing industry) (Tempering) (Automation)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

l.	KUZ'MIR.	I.G.	:	DREMLYUGA.	V.S.

- 2. USSR (600)
- 4. Cattle Feeding and Feeding Stuffs
- 7. Advice on fattening cattle on pasture ("Pasture fattening of cattle." I.G. Kuz'mir, Reviewed by V.S. Dremlyuga), Sots. zhiv. 15 no. 5 1953.

9. Monthly List of Russian Accessions, Library of Congress, _______1953, Uncl.

KUZ'KISHCHEV. Andrey Petrovich; CREBENNIKOVA, M.M., red.; SEVAST'YANOVA, E.S., red.; VOROTILINA, L.I., tekhn. red.

[How to increase labor productivity in agriculture] Kak povysit' proizvoditel'nost' truda v sel'skom khoziaistve. Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1960. 75 p. (MIRA 14:7) (Agriculture—Labor productivity)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

Servilly, 2. 2., (Engineer), Seffectively, G. S., WELHISHER, E. F.

Hydrcelectric power stations

Measures against floating peat islands. Gidr. stroi. 21 no. 4 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

SAFRAZBEKYAN, G. S.; KUZ'KISHCHEV, P. F.; Engs.

1.12 全国的基础的总统和国际总统和国际的基础的。

Hydroelectric Power Stations

Clogging of water pipes of hydroelectric power plants with deadwood and peat. Gidr. stroi. 22, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

SHEVELEY, B.N., inshener; KUZMISHCHEY, P.F., inshener; MIKHALEVICH, P.A., inshener.

Reinforcing the slopes of earth structures with concrete. Gidr. stroi. 23 no.4:19-22 *54. (MIRA 7:7)
(Earthwork) (Concrete construction)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

VYAZEMSKIY, O. V., KUZ'MISHCHEV, P. F., AND MIKHALEVICH, P. A.

Operation of an Alluvial Dam in Complex Hydrogeological Condition

The authors describe the hydrogeological conditions of an earth dam constructed in a region formerly covered by ice. The dam under discussion is limited in height to 17 meters. The authors discuss the filtration regime in the body and foundation of the dam during 11 years of use and describe the additional drainage measures which were necessitated by the appearance of springs. (RZhMekh, No. 6, 1955) Izv. Vses. n.-i. in-ta Gidrotekhn. Vol. 52, 1954, 145-170

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

Kuzmishchev, P.F.

AID P - 2121

Subject : USSR/Engineering

Card 1/1 Pub. 35 - 10/20

Authors : Yevko, A. V., Kuzmishchev, P. F. and Mikhalevich, P. A.

Title : On the durability of concrete-containing carbonaceous

gravel

Periodical: Gidr. stroi., no.3, 27-29, 1955

Abstract : The article reports observations made on concrete placed

13 years ago which contains 20 to 30% of carbonaceous gravel. Tables with data of various limestone and dolomites are given. Some slight damages of the upstream submerged section are reported. However, the installation was found to be in a satisfactory condition. Due to weathering and climatic changes, dolomite particles were more affected by erosion than carbonaceous gravel. The latter's strength could be increased by augmenting

the protective layer 1 to 2 cm.

Institution: None Submitted: No date

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

AID P - 3204

Subject

: USSR/Hydraulic Engineering

Card 1/1

Pub. 35 - 8/19

Authors

: Sdobnikov, D. V., P. F. Kuz'mishchev, and P. A. Mikhalevich, Engs.

Title

: Masomry work on slopes of earth installations

Periodical: Gidr. stroi., 5, 23-27, 1955

Abstract

: The article reports on construction and present condition of the stone facing of canals, earth dams, and embankments of 2 large hydroelectric developments after 14 years of operation. (Apparently, Uglich and Shcherbakov are the dams being discussed). The detailed description is accompanied by tables with data on types of rock, sand and gravel used. Some damage effected by floes and storm winds is described. The drainage system is criticized and the construction

of one of the earth dams is said to be faulty. Seven diagrams.

Institution: None

Submitted : No date

NUZ MISHCHEV, Y. F.

124-57-1-778

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 103 (USSR)

AUTHORS: Vyazemskiy, O.V., Kuzimishchev, P.F., Mikhalevich, P.A.

TITLE:

The Operation of an Alluvial Buttress Dam in Complex Hydrogeological Conditions (Rabota namyvnoy podpornoy damby v slozhnykh gidrogeologicheskikh usloviyakh)

PERIODICAL: Izv. Vses. n.-i. in-ta gidrotekhn., 1955, Vol 94, pp 126-139

ABSTRACT: This is the conclusion of a paper bearing the same title and written by the same authors (RzhMekh, 1955, abstract 3157). Following a rise in the headwater level to 50 cm above the normal design level, observations afforded a more accurate picture of the seepage through the foundation of the dam; measures for the improvement of its operation are outlined. Various problems of the stability of the dam and various aspects of the seepage and the hydrochemical and hydrothermal comportment of the dam, as well as the mechanical piping, are examined.

V.V. Fandeyev

1. Dams-Seepage 2. Dams-Stability 3. Dams-Evaluation

Card 1/1

YEVKO, A.V., inzh.-khimik; KUZ'MISHCHEV, P.F., inzh.; MIKHALEVICH, P.A., inzh.; IVANOV, F.M., Rand, tekhn. aduk, red.; VORONIN, K.P., tekhn.red.

[Hydrochemical investigations of concrete structures of upper Volga hydroelectric power stations] Opyt gidrokhimicheskogo issledovaniia betonnykh soorushenii verkhnevolshskikh gidrouzlov. Moskva, Gos. energ. isd-vo. 1958. 84 p. (MIRA 12:1) (Hydraulic engineering)

14(10)

SOV/98-59-5-2/21

AUTHORS:

Muz'mishchev, P.F., and Mikhalevich, P.A., Engineers

TITLE:

Inspecting the Drainage Gallery of a Concrete Dam

PERIODICAL:

Gidrotekhnicheskoye stroitelistvo, 1959, Nr 5,

pp 7-11 (USSR)

李行 建二二十二氢酯 持有一口。

ABSTRACT:

The article gives inspection data on the drainage gallery of an unidentified concrete dam. Built in 1941, the dam was inspected at the and of 1956 with the following findings made: 1) the dam's vertical and horizontal drainage systems were in good working conditions, with no accumulation of silt or themical overgrow; 2) the water which fills the gallery and was taken for analysis from the piezemeters beneath the concrete structures proved non-aggressive to sulphite; 3) the concrete surfaces and ring-shaped bitumen keys of the drainage gallery were in good condition, with no increase in water permeability;
4) there is a considerable filtration pressure caused from time to time by the heads and the temperature

Card 1/2

A STATE OF THE PROPERTY OF THE PARTY OF THE

Inspecting the Drainage Gallery of a Concrete Dam SOV/98-59-5-2/21

of the dam's structures; however, the increase in counter-pressure has a limited area and does not spread beneath both the dam's foundation plate and the lock's water intake; 5) piezometers Nr 5 and 10 showed unchanged readings despite the fact that the drainage gallery was drained during the period September-October sure readings); 6) the most effective and simple way to lower the counter-pressure in the foundation part during the maximum-head period is temporary draining of the gallery. There are 3 diagrams, 1 table, 1

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

Controlling seepage through joints and cracks in concrete elements of hydraulic structures. Gidr.stroi. 30 no.8:22-28 Ag '60.

(Hydroelectric power stations)

VYAZEMSKIY, O.V., starshiy nauchnyy sotrudnik, kand.tekhn.nauk; MIKHALEVICH, P.A., inzh.; KUZ'MISHCHEV, P.F., inzh.

Studying the performance of a concrete dam under complex geological conditions. Izv.VNIIG 64:3-31 '60. (MIRA 14:5)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

KUZIMOHLHEVA, L.L.

PHASE I BOOK EXPLOITATION

807/4513

Moscow. Tsentral'nyy institut prognozov

- Voprosy dolgosrochnykh prognozov pogody (Problems in Long-Range Weather Forecasting) Moscow, Gidrometeoizdat (Otd-niye), 1959. 60 p. (Series: Its: Trudy, vyp. 87) 950 copies printed.
- Sponsoring Agencies: Tsentral'nyy institut prognozov; Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.
- Ed. (Title page): V.P. Nekrasov; Ed. (Inside took): V.I. Tarkhunova; Tech. Ed.: T. Ta. Zemtsova.
- PURPOSE: This issue of the Transactions of the Central Institute of Forecasting is intended for scientific researchers and field workers in meteorology.
- COVERAGE: The articles in the collection deal with problems in long-range (3 to 7 days) weather forecasting. Individual papers cutline a method of procedulating the mean air temperature for a natural synoptic period of January using regression equations, and present suggestions for the application of the field of Laplacians and temperature advection for predicting the curvature of isohypsal lines in the Card 1/3

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928110009-1"

Problems in Long-Range Weather Forecasting

80V/4513

tendency of the next natural synoptic period over the second natural synoptic region [Soviet Far East, Eastern and Central Siheria]. A method for the selection of analogues is proposed, and the results of the varification of T.A. Duletova's rules for forecasting upper-level cyclones are discussed. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

			Air Temperature	for	a
Natural Syn	optic Period	l in January		•	•

3

Noshchenko, L.F., A.M. Glybovats, and L.T. Kyz'mishcheva. The Problem of Compiling the Weather Forecasts for 3-7 Days Over the Second Natural Synoptic Region

26

Gritsenko, M.V., and Yu. N. Dmitriyeva. The Problem of the Selection of Analogues

51

Card 2/3

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928110009-1

可能的股份不同時期的政策的政策的人

Problems in Long-Runge Weather Forecasting

SOV/4513

Sidochenko, T.V., and M.N. Fedulova. Results of the Verification of T.A. Deletova's Rules for Forecasting Upper-Level Cyclones and for Determining the Dates of Natural Synoptic Periods

· 建设施工程的 1980年,

57

AVAILABLE: Library of Congress

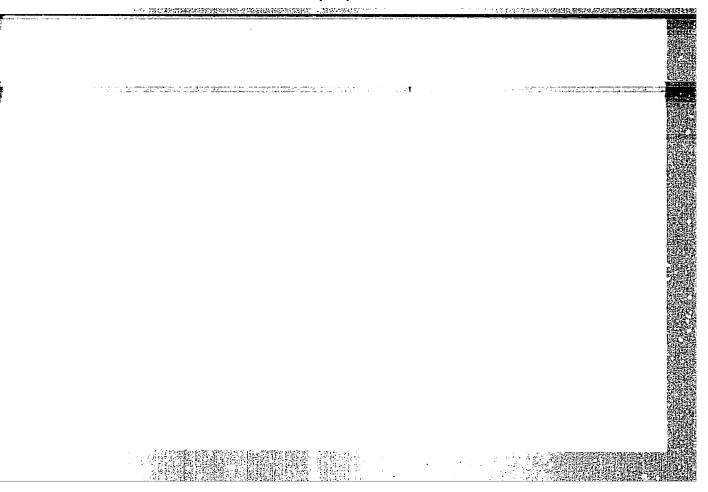
Card 3/3

JA/dwm/mas 12-21-60

NOSHCHENKO, L.F.; OLYBOVETS, A.M.; KUZ'MISHCHEVA, L.I.

Making weather forecasts for 3-7 days in the area of the second natural synoptic region. Trudy TSIP no.87:26-50 '59.

(Weather forecasting)



IVANOV, Viktor Ivanovich; KUZ'MISHCHEVA, V.

[Cuba; album]Kuba [al'bom]. Koskva, Sovetskii khudozhnik,
1961. 65 p.

(MIRA 15:10)

(Ouba—Description and travel)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928110009-1

Turinitakow, K Organizatsiya shinnoso khozyaystva v garazhe (Organization of the tire econory in the surage) Moskva, Mashgiz, 1952 12 p. illus., diagra., tables. "Literatura": p. (101) N/5 729,221 . K9

> APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

KUZ'MITSKAYA, K.A.; NAUMOV, V.I.; SIDOROV, G.N., inzh., retsenzent;
YESIMONTOVSKIY, M.G., inzh., retsenzent; ERONSHTEYN, Ya.I.,
kand. tekhn. nauk, dots.,red.; DLUGOKANSKAYA, Ye.A., tekhn.
red.
[Organization of a tire shop in a garage] Organizatsiia shinnogo khoziaistva v garazhe. Moskva, Mashgiz, 1952. 102 p.
(MIRA 16:7)

(Tires, Rubber)

RODINA, A.G.; KUZ'MITSKAYA, N.K.

Abundance and distribution of bacterial plankton in Lake Ladoga. Mikrobiologiia 32 no.2:288-295 Mr-Ap '63.

1. Zoologicheskiy institut AN SSSR.

(MIRA 17:9)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

MARIANIMOS M

RODINA, A.G.; KUZ'MITSKAYA, N.K.

Species composition of heterotrophic micro-organisms in the water of Lake Ladoga. Mikrobiologiia 33 no.6:1010-1017 N-D *64.

(MIRA 18:4)

1. Zoologicheskiy institut AN SSSR, Leningrad.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1

ENTRAYEVA, T.F.; KUZ'MITSKAYA, V.I.; UDOVENKO, Z.N.

Analysis of the maps of high-level baric topography (50-10 mb).

Trudy TSIP no.137x101-122 'e4. (MIRA 17:9)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

SOY/51-6-2-23/39

AUTHORS:

Budrite, S.D., Kuzmitskite, L.L. and Shugurov, V.K.

TITLE:

The Improved Analytical One-Electron Wave-Functions (Utochnennyye analiticheskiye odnoelektronnyye volnovyye funktsii)

PERIODICAL:

Optika i Spektroskopiya, 1959, Vol 6, Nr 2, pp 245-247 (USSR)

ABSTRACT:

The present paper shows how to find analytical functions which would give the same or nearly the same results as one-electron functions which are solutions in Fok's self-consistent field (Ref 1). The authors write down Fok's equations in the momentum space and solve them by successive approximations. They start with hydrogen functions. Since the hydrogen-functions (Ref 2) are very close to Fok's one-electron functions, it is sufficient to use the first approximation. The functions then obtained for various terms differ, in general, both in their parameters and their analytic form. The parameters are found from the condition of energy minimum. The authors follow this procedure to calculate wave-functions for helium-type atoms in their ground state. The results of their calculations are given in a table on p 247 where, for the sake of comparison, Morse's and Fok's functions (the latter obtained by Tsyunaytis et al., Ref 4) are also given. The table lists

Card 1/2

SOV/51-6-2-23/39

The Improved Analytical One-Electron Wave-Functions

all these wave-functions for He, Li⁺, Be⁺⁺ and B⁺⁺⁺ all of which are in the ls² configuration. Acknowledgments are made to Prof. A.P. Yutsis for his advice. There are 1 table and 4 references, 1 of which is Soviet, 1 German, 1 English and 1 mixed (German and English).

SUBMITTED: July 7, 1958

Card 2/2

GLEMBOTSKIY, I.I. [Glembockis, J.]; KUZMITSKITE, L.L. [Kuzmickyte,L.]

Approximate single-electricwave functions for the excitation levels of the positive ion of oxygen. Liet ak darbai B no.1:87-98 '60.

(EEAI 9:10)

1. Institut fiziki i matematiki AN Litovskoy SSR. (Oxygen) (Ions) (Eigenfunctions)

KUZ'MITSKIY, A. (Leningrad)

Sled rake. IUn.tekh. 4 no.11:27 N '59. (MIRA 13:4)
(Harvesting machinery)

KUZ'MITSKIY, B., inzhener-kapitan 3-go ranga

For rapid replacement of electric fuses. Starsh.-serzh. no.3:23
Mr '62. (MIRA 15:4)

(Submarine boats)

KUZ'MITSKIY, B.B., aspirant

Pharmacology of a biological serotinin precursor, 5-hydroxytryptophan. Zdrav. Bel. 9 no.8:47-50 Ag*63 (MIRA 1/:3)

1. Iz kafedry farmakologii (zav. - prof. K.S. Shadurskiy) Minskogo meditsinskogo instituta.

PIUNOVSKIY, I.I.; KUZ'MITSKIY, N.D.

Crops preceding for winter rys. Zemledelie 26 no.8:66 Ag 164.

(MIRA 17:11)

L 39721-66 EWT(1)/EWA(h) GD-2 ACC NRI AP6007596

SOURCE CODE: UR/0119/66/000/002/0023/0024

AUTHOR: Vender, B. M. (Engineer); Kuzimitskiy, V. A.; Lukin, O. P.

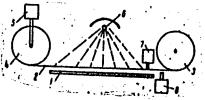
ORG: none

TITLE: Small-size rear-lighted punch-type recorder

SOURCE: Priborostroyeniye, no. 2, 1966, 23-24

TOPIC TAGS: data recording, signal recording, electronic equipment

ABSTRACT: A step-advancing paper-strip device is suggested for recording various control signals, such as those checking operable conditions of equipment, etc. A coordinate raster is printed on the face of transparent screen 1 (see figure);



10-cm wide paper (or metal) strip 2 is stepwise advanced by reels 3 and 4 driven by motor 5. Lamp 6 illuminates the strip where puncher 7 makes holes at definite time moments in (vertical) positions corresponding to the monitored circuits or their conditions. Small printer 8 may supply additional information at the time of punching. The recorder with 5-min steps is proposed for signaling electronic equipment faults, etc. Orig. art.

has: 5 figures.

SUB CODE: 09 / SUBM DATE: none

UDG: 621.087.35%

SENZYUK, K.D.; BERLIN, S.S.; ASNER, B.G. [Asner, B.H.]; KUZ'MITSKIY, V.M.

[Kuz'myts'kyi, V.M.]; ARSENT'YEV, Ye.D. [Arsent'iev, IE.D.];

SHIMANSKAYA, G.G. [Shymans'ka, H.H.]; PINSKIY, A.Ye. [Pyns'kyi, A.IR.];

KHOMENKO, A.I.; GAMPEL', A.O. [Hampel', A.O.]

Proposals of efficiency promoters. Leh.prom. no.4:46-52 Q-D

'62. (MIRA 16:5)

[Kiev-Knit goods industry—Technological innovations)

(Odessa—Knit goods industry—Technological innovations)

(Kiev-Cotton manufacture—Technological innovations)

KUZ'MOV, Nikolay Terent'yevich, inzh.; ALEKSEYEV, G.P., inzh., red.;

BUSHUYEV, N.M., kand. tekhn.nauk, red.; GUTMAN, I.M., inzh., red.;

KALENIGHENKO, P.T., inzh., red.; IGNAT'YEV, M.G., agronom, red.;

PICHAK, F.I., kand. tekhn.nauk, red.; POHKANOV, I.P., kand. tekhn.

nauk, red.; DUGINA, N.A., tekhn.red.

[Reflicient use of machinery in harvesting by separate stages]
Ratsional'noe ispel'sovenie mashin na razdel'noi uborke. Moskva,
Gos.nauchno-tekhn.isd-ve mashinostroit.lit-ry, 1959. 101 p.

(Harvesting machinery)

.

(MIRA 13:5)

KUZ'MOV. Nikolay Terent'yevich; IGNAT'YEV, Mikhail Gerasimovich;
KALENICHENKO, P.T., inzh., retsenzent; MAKAROV, M.P., inzh.,
retsenzent; BUSHUYEV, N.M., kand.tekhn.nauk, red.; DUGINA,
N.A., tekhn.red.

[Mechanisation of livestock farms; manual for collective-farm workers] Mekhanisatsiis shivotnovodcheskikh ferm; spravochnik kolkhosnogo rabotnika. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 207 p. (MIRA 13:12)

(Farm mechanisation)

(Stock and stockbreeding)

PLAKSIN, V.N.; PRITS, V.L.[deceased]; KUZ'MOV, N.T.; inzh., red.

[Machines for the preparation and placement of fertilizers]

Mashiny dlia zagotovki i vneseniia udobrenii. Moskva, Mashgiz, 1963. 97 p.

(MIRA 17:4)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

IENSKIY, S.M.; KUZ'MOV, P.N.; KAUFMAN, V.P., redaktor; VASILEVSKIY, Ya.B., tekhnicheskiy redaktor.

[Planning the construction of oil and gas wells] Planirovanie stroitel'stva neftianykh i gazovykh skvazhin. Baku, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Azerbaidzhanskoe otdelenie, 1951. 55 p.

(Oil well drilling)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1"

***。等於都經濟解析時間發展的自治學經濟經濟轉變變變的。(內容符

MATVEYEV, V.I.; GOL'DBERG, M.G.; KUZ'NOV, P.H., redaktor; GONCHAROV, I.A., tekhnicheskiy redaktor.

[Innovators in the petroleum industry of Amerbaijan] Movatory neftianykh promyslov Amerbaidshana. Baku, Gos.nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Amerbaidshanskoe otd-nie, 1954. 68 p. (MLRA 8:11)

(Amerbaijan-Oil well drilling)

KAUFMAN, V.P.; KUZMOV, P.H.

Increase labor productivity in petroleum production and refining.
Amerb. neft. khoz. 37 no.3:46-48 Mr '58. (MIRA 11:8)

(Amerbaijan—Petroleum industry)

Cost of oil and gas production in Azerbaijan. Neft.khoz. 37 no.2:14-18 F 59. (MIRA 12:4)

(Azerbaijan--Oil fields--Production methods--Costs)
(Azerbaijan--Gas, Natural--Costs)

KAUFMAN, V.P.; KUZ'MOV, P.N.

Increasing the efficinecy of geological prospecting. Geol. nefti i gaza 5 no.ll:14-17 N '61. (MIRA 14:11)

1. Azerbaydzhanskiy nauchno-issledovatel skiy institut po dobyche nefti.

(Azerbaijan--Boring)

KUZ'MOV, V.A., inzh.

Reducing excess rock removal during shaft sinking. Shakht. stroi. no.1:25-26 Ja '60. (NIRA 13:5)

l. Krivorozhskiy filial Ukrainskogo nauchno-issledovatel'skogo instituta organizatsii i nekhanizatsii shakhtnogo stroitel'stva.
(Shaft sinking)

Response to the article by G.V. Golovskaya Deciding on the dimensions of blast holes. Gor. shur. no.5:80 My '60 (MIRA 14:3) 1. Shakhta Tsentral'naya rudoupravleniya imeni IX parts yezda, Krivoy Rog. (Blasting) (Golovskaya, G.V.)

5(2)

SOV/21-59-1-15/26

AUTHORS:

Delimarskiy Yu. K., Member of the AS UkrSSR, and

Kuz'movich, V.V.

TITLE :

A Polarographic Investigation of Chlorides of Heavy Metals Dissolved in a Molten NaCl-KCl Mixture (Polyarograficheskoye issledovaniye khloridov tyazhelykh metallov, rastvorennykh v rasplavlennoy smesi NaCl-KCl)

PERIODICAL:

Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 1,

pp 55-59 (USSR)

ABSTRACT:

The subject polarographic investigation was conducted on molten solutions of CuCl, CuCl, AgCl, ZnCl, CdCl, TlCl, PbCl, CoCl, and NiCl, in a NaCl-KCl mixture. A direct proportionality between the diffusion current intensity and the molar fraction of the dissolved chloride was shown. The polarographic waves obtained on solid Pt-electrodes were found to be satisfactorily determined by the Heyrovsky-Ilkovic

Card 1/3

SOV/21-59-1-15/26

A Polarographic Investigation of Chlorides of Heavy Metals Dissolved in a Molten NaCl-KCL Mixture.

equation, and not by the Kolthoff-Lingane equation of concentration polarization. In particular, the dependence of the half-wave potential on the logarithm of the molar fraction was not expressed by a straight line. The half-wave potential values were found to remain nearly constant, and the prelogarithmic coefficient values of the Heyrovsky-Ilkovic equation did not always correspond to the valency of simple ions of the respective salts. The determined dependence of the diffusion currents on the temperature made possible the calculation of the corresponding activation energies, and these energies demonstrated that the increase of diffusion currents with the temperature, is not caused by the decrease of viscosity alone. There are 3 graphs, 2 tables and 3 references, 2 of which are Soviet and 1 English.

Card 2/3

SOV/21-59-1-15/26

A Polarographic Investigation of Chlorides of Heavy Metals Dissolved in a Molten NaCl-KCL Mixture.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR

(Institute of General and Inorganic Chemistry of AS UkrSSR)

PRESENTED: October 27, 1958.

Card 3/3

KUZIMOVICH, V.V.

Polarographic study of iron and tin chlorides in a fuxed mixture of sodium and potassium chlorides [with summary in English].

Dop.AN URSR no.3:344-348 *61. (MIRA 14:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR. Predstavleno akademikom AN USSR Yu.K.Delimarskim [Delimars'kyi, IU.K.].

(Polarography) (Iron chloride) (Tin chloride)

30871 \$/073/61/027/006/003/005 B110/B147

5. 4700

AUTHORS: Sheyko, I. N., Gorodyskiy, A. V., Kuz'movich, V. V.

TITLE: Polarography of molten systems containing zirconium compounds

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, v. 27, no. 6, 1961, 767 - 770

TEXT: Molten Zr compounds were studied polarographically to obtain some data on the electrolytic deposition of Zr from melts. An automatic polarograph with solid stationary electrodes with depolarisation of the electrodes between the exposures by short-circuiting was used. A 5 m long and 0.5 mm thick Pt wire served as cathode while a 2500 mm² Pt disk was taken as anode. The melt was in a porcelain crucible in a quartz test tube in an Ar atmosphere. Molten systems of K_2 ZrF₆, ZrCl₄, and ZrO₂ were investigated, molten equimolar mixture of KCl and NaCl being used as a background. Two waves were found in the polarogram of K_2 ZrF₆ with $\geq 2-5$ mole% concentration, which indicate the presence of transformation products of electrolytic dissociation of K_2 ZrF₆. xK⁺ + (F⁻)_x. ZrF₄ (KF)_x. ZrF₄ Card 1/3

30871 S/073/61/027/006/003/005 B110/B147

Polarography of molten systems...

The content of the OF polarograms are caused by variation of the active electrode surface. Since both OF waves have the same height, reduction to Zr metal probably takes place according to "4-2, 4-0" (two parallel processes). For the systems KCl-NaCl-ZrCl₄, KCl-NaCl-ZrCl₂, KCl-NaCl-ZrCl₄ possesses a condiderable vapor tension at melting temperature, its 30% solution was used Card 2/3

30871 S/073/61/027/006/003/005 B110/B147

Polarography of molten systems...

in the molten mixture of KCl and NaCl. Only the first wave of the many waves of the polarograms could be recognized distinctly, and it was already produced at a very low voltage. ZrO_2 was investigated as saturated solution in the melt on the background of KCl·NaCl and KCl·NaCl·NaF. No waves were observed in the polarogram of ZrO_2 on chloride background, the polarogram, however, took a steeper course than that of the background. Addition of NaF resulted in waves, which proves the formation of compounds of TiO_2 with fluorides, which are conducting and soluble in the melt; these compounds can be reduced on the cathode. There are 4 figures and 4 Soviet references.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN USSR

(Institute of General and Inorganic Chemistry AS UkrSSR)

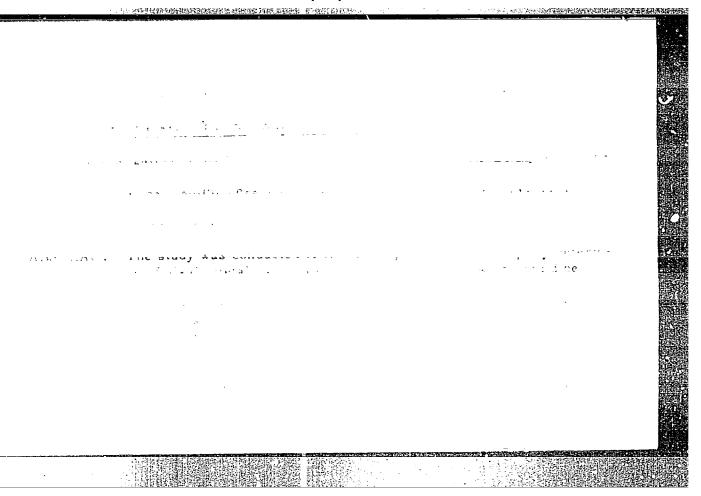
SUBMITTED: March 16, 1959

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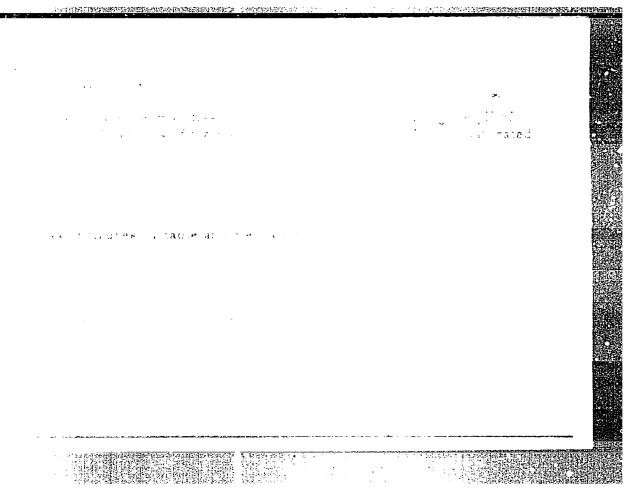
_ KUZ'MOVICH, V.V.

Reversibility criteria of electrode reactions and the equations of polarographic curves for fused salts. Dop. AN URSR no.4: 509-513 62. (MIRA 15:5)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928110009-1



DELIMARSKIY, Yu.K.; KUZ MOVICH, V.V.

Use of a dropping bismuth electrode in polarography of fused salts at high temperatures. Zhur.prikl.khim. 37 no.7:1490-1494 Jl 164. (MIRA 18:4)

KUDRYASHOV, Ye.V.; FINKEL'SHTEYN, Sh.D.; KUZ'MUK, L.G.

Kichik-Bel', a new oil field in Tajikistan. Neftegaz. geol. o geofiz. no.8:11-13 '63. (MIRA 17:3)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta prirodnogo gaza i Tadzhikskoye geologicheskoye upravleniye.

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SOV/143-59-5-7/19 28(1)

Karnyushin, L.V., Candidate of Technical Sciences, Docent, AUTHORS:

and Kuz'myak, B.D., Engineer

TITLE: The L'vov Polytechnic Institute Laboratory of Auto-

mated Electric Drives

Izvestiya vysshikh uchebnykh zavedeniy - Energetika, PERIODICAL:

1959, Nr 5, pp 56-68 (USSR)

ABSTRACT: From 1924 to 1929 the first electrical drive laboratory

in the USSR was organized by Professor S.S. Rinkevich at the Leningradskiy elektrotekhnicheskiy institut imeni V.I. Ul'yanova (Lenin) (Leningrad Electrical Engineering Institute imeni V.I. Ul'yanov (Lenin)). Thereafter, electric drive laboratories were organized at the Moskovskiy energeticheskiy institut (Moscow Institute of Power Engineering), at the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute), at the Kharkovskiy elektrotekhnicheskiy institut (Khar'kov Electrical Engineering Institute), and at large institutes and technological colleges of

Card 1/4 the USSR. Presently, only in polytechnic power engi-

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The L'vov Polytechnic Institute Laboratory of Automated Electric.

Drives

neering and electric engineering colleges of the USSR, ... there are more than 25 laboratories of automated electric drives, not counting similar laboratories in agricultural, mining, and other higher educational institutions. However, only a few of them correspond by equipment and organization to the development level_of modern industrial automated electrical drives. In this paper the authors describe the experience of creating a new laboratory of automated electric i drives at the L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute) which was activated in 1957, instead of a temporary laboratory built in 1948. The laboratory at the L'vov Polytechnic Institute was built according to a project developed by Candidate of Technical Sciences, Docent, L.V. Karnyushin. temporary laboratory was created under the guidance of Doctor of Technical Sciences, Professor V.N. Kiyanits. After explaining principles of efficient laboratory organization, the authors present a detailed

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The L'vov Polytechnic Institute Laboratory of Automated Electrical Drives

description of the laboratory. The laboratory is housed in an L-shaped building. The main wing is 22.5 x 13.5 x 4.7 m and has a glass roof. The other wing is 17.2 x 8.4 m and is used for conducting laboratory work on industrial electronics and electrical control equipment. One section of the last mentioned building section serves as a workshop. The total floor space of the laboratory is 300 m². About 60 different types of laboratory work may be conducted at 20 work places. Between 12 and 16 different types of laboratory work may be conducted simultaneously. The authors further describe the power equipment and the power mains, equipment of work places and the organization of laboratory work, including work safety. They present in Figure 3 a circuit diagram of the power distribution system in the laboratory. Figures 6, 8 and 9 are photographs of student's work places. At the laboratory, the students work in groups for which 6 to 8 work places are assigned. The time allocated

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